

HOUSTON IN A NUTSHELL.

What Houston Has in the Way of Internal Improvements.

ANNUAL REPORT OF CITY ENGINEER

Showing What Has Been Done During the Past Year in the Way of Improvements.

One of the most interesting documents that has emanated from any of the public departments of the city for a long time is the report by City Engineer Guernsey of the operations of the engineer's office for the year ending April 1, 1897. The law requires that a report from the engineer's office shall be made annually, but this is the first time one has been prepared within the knowledge of any who have been hard to speak on the subject. It is very full and is statistical to a degree, giving detailed information on all the public works of the city and showing how little has been the appreciation bestowed upon what has been done here in the last few years, dealing with sewers, drainage, bridges, pavements, etc.

The table on sewers gives the size of the openings and shows for the Second and Third wards 826 feet of eight-inch, 1990 feet of ten-inch, 227 feet of eighteen-inch and 3933 feet of twenty-four-inch pipe, and 820 feet of extra-heavy brick sewer, with eighteen catch basins, forty-three manholes and one flush tank.

The LeBranch sewer district, in the Third ward, has 17,735 feet of 12-inch, 1620 feet 16-inch, 3000 feet 18-inch, 1500 feet 20-inch, 1000 feet 22-inch, and 24-inch pipe-sewers, and of brick sewers 276 feet 24-inch, 330 feet 26-inch, 900 feet 28-inch, 660 feet 30-inch, 330 feet 32-inch, 660 feet 34-inch, 330 feet 40-inch, 330 feet 50-inch and 660 feet 54-inch, with 31 catch basins, 154 manholes and 38 flush tanks.

The Hadley sewer district, Third ward, has 3224 feet of 8-inch pipe, with three manholes and one flush tank.

The Tammie street sewer, Fourth ward, has 11,176 feet of 8-inch pipe, with one catch basin, seventeen manholes and five flush tanks.

The San Felipe sewer district, Fourth ward, has 12,472 feet 8-inch pipe, 120 feet 10-inch and 1,644 feet 18-inch, and 1,200 feet 22-inch, brick sewer, 100 feet 24-inch, 220 feet 28-inch, 200 feet 30-inch, and 200 feet 40-inch, with 54 catch basins, 70 manholes and 3 flush tanks.

The total length of this sewerage system, nearly forty-four miles, with 150 catch basins, 300 manholes and 40 flush tanks.

The sewer construction for the year April, 1896, to April 1, 1897, is as follows:

Houston street sewer, 2,662 feet 24-inch pipe, 5 catch basins, and 1 manhole, total cost \$287, partly paid for by Houston East and West Texas railway, making cost in the city \$28,000.

Houston street sewer, 410 feet 48-inch pipe, with one catch basin, total cost \$2,000.

Carr street (box) sewer constructed by International and Great Northern railway, 1800 feet, total estimated cost \$520.

The total cost of the above was \$1,750.

There is now under construction a brick sewer on Hulen street, Fourth ward, which will cost about \$300.

Twenty-four catch basins have been constructed during the past year, affording drainage through the sewer system in the immediate territory at a cost of \$10,000.

During the same time eight manholes have been constructed on sewers at a cost of \$575.

The outlet to the Louisiana street sewer, foot of Congress Avenue, was permanently fast, at a cost of \$1.

The American Brewing association also constructed a sewer, 16-inch, from Second to First street, in the business section, which has a capacity of 100,000 gallons per hour.

The surface drainage constructed during the year, not including drains, culverts, cleaned and cleared, amounts to 14,400 yards, costing \$14,000, of which the city paid \$10,575. This includes work in the Second, Third, Fourth and Fifth wards, and takes the water well away from sections heretofore flooded after every heavy rain.

The paving in the city is reported as 14,500 miles of unpaved roads on Main, food street from McKinney avenue to Clay Avenue, was reconstructed during the year. A recapitulation shows the number of pavements as follows: Bricks, 1.56 miles; stone, 2.55 miles; asphalt blocks, 0.71 miles; gravel, 5.06 miles; stone, 0.18 miles; macadam, 1.12 miles.

The expenditures on pavement during the year, in the city, were as follows: gravel, \$15,400 on Crawford street, 1.56 miles; 675,45, reconstructing unpaved roads, 1630.60, replacing plank roadway, Washington street, from Fourth to Fifth streets, \$124, repair on old pavement, \$23,64.

Many blocks of paved streets, the old wooden crossing covers have been replaced with iron, four of the iron crossings are all being put in at a total cost of \$15,44.

The paving is a constant trouble, and goes away with the constant expense incident to the old wooden crossings.

Another of the works of moment constructed during the year, not embraced in the report of the engineer, is the improvement made at Tenth and Dart streets, near the old city cemetery. An immense gully existed at that point, precluding our communication from the east end of the First ward, and the city was surrounded. The street force under direction of the city commissioners did the work, in the intervals of other work mainly, and extending over a period of about a year. The estimated total cost was about \$4000. The filling of the great gully, the grading of streets and the putting in of drains makes the street a good one, and it is a great convenience as affording easy access to and from a large territory and many hundred of yards.

The tables on highway bridges shows that seven bridges over Buffalo Bayou and one in place over White Oak bayou, all being iron spans with wood approaches except Franklin street bridge, which is of wood. The total value of the whole is estimated at \$109,145. One of these—the Hill street bridge—was constructed during the year at a total cost of \$11,265, including house for bridge tender, etc.

The building permits issued during the year numbered 845, and the statements of cost as given by applicants for permits aggregate \$257,712.20.

The fees paid the engineer during the year for surveys amounted to \$48.

The recapitulation by the engineer is as follows:

Sewers by Houston East and West, Cost \$1,000.

Sewers by International and Great Northern railway \$5,400.00

Sewers by City of Houston 5,419.77

Catch basins, 26, city 1,320.40

Manholes, 8, city 279.89

Inspecting and cleaning sewers 1,674.05

Total \$18,058.11

2,550 feet drain, city \$2,527.30

5500 feet drain, Galveston, Houston and Henderson railway 620.00

6000 feet drain, Gulf, Colorado and Santa Fe railway 440.40

9000 feet drain, San Antonio and Arkansas Pass railway 415.58

5500 feet drain, Texas and New

Orleans railway 547.79

2,000 feet drain, Columbia Tap 100.00

3800 feet drain, International and Great Northern railway 160.00

Total \$4,829.98

Paving, Missouri, Kansas and Texas railway 11,260.00

paving, city 13,274.94

Paving, city, iron covers for 1,517.44

Total \$16,002.38

Hill street bridge \$41,025.65

Renewal of paving, etc 175.00

Preliminary surveys 184.49

Grand total for the year \$52,727.29

The report concludes with some interesting statistical data, from which the following is taken:

Houston was founded in 1836.

Incorporated in 1857.

Population, 1896 (directory estimate), 68,987.

Altitude above sea level, 22.67 feet.

Area in square miles, 9.

Number of streets, 458.

Miles of streets, 240.

Miles of pavements, 14,330.

Miles of water, 21,822.

Miles of water main, 66.

Size of water mains, from 6 to 20 inches.

Number of fire hydrants, 500.

Sources of supply, artesian wells, 30.

Daily supply, 7,000,000 gallons.

Daily consumption, 5,000,000 gallons.

Number of miles of steam railway, 177.18.

Number miles electric railway, 25.95.

Number of electric street lights, 1,100.

Assessed value of real estate, \$22,927,000.

Tax rate per \$100, 2 per cent.

SHERIFF'S DEPARTMENT.

Wanted a Mexican named Gomes and a negro Mexican about 5 feet 9 inches, talks good English; weighs 165 pounds, had undershirt, little black mustache, straw (Mexican) hat. Negro nearly white, about 5 feet 8 or 9 inches, weight about 125 pounds, had on bicycile cap, colored shirt.

Did you see a horse, 4 years old, 16 hands high, no brand, has a slight Roman nose, long shank. End spring buggy (piano box).

Made by J. W. Moon.

Gold watch (ladies') aluminum and gold chain.

The above goods were taken by Mr. P. E. Nerswerty by the two above named parties near Sheldon last night about 12:30.

Value with clothes, all marked P. E. N.

Albert Erickson.

Sheriff Harris County.

Houston, Texas, May 29.

Taken up by E. F. Brandt, May 29, at Adkins, Texas.—One gray horse 13½ hands high, 3 years old, brand 5½ 10-ft. hind leg on left hip and red spot under belly on right side.

Albert Erickson.

Sheriff Harris County.

Houston, Texas, May 29.

Strayed or stolen from W. C. Teal, bay horse, 3 years old, 13½ hands high, 3 years old, brand 5½ 10-ft. hind leg on left hip and red spot under belly on right side.

Albert Erickson.

Sheriff Harris County.

Houston, Texas, May 29.

Strayed or stolen February 29, 1897.

One gray mare, male, age 15 years, 15 hands high; was shot all round, 15 reward, W. D. Van Wagner, Houston.

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Albert Erickson.

Sheriff Harris County.

Houston, Texas, May 29.

Strayed or stolen February 29, 1897.

One man, dark squirrel, 14 hands high, 3 years old, brand 5½ 10-ft. hind leg on left hip and red spot under belly on right side.

Albert Erickson.

Sheriff Harris County.

Houston, Texas, May 29.

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